

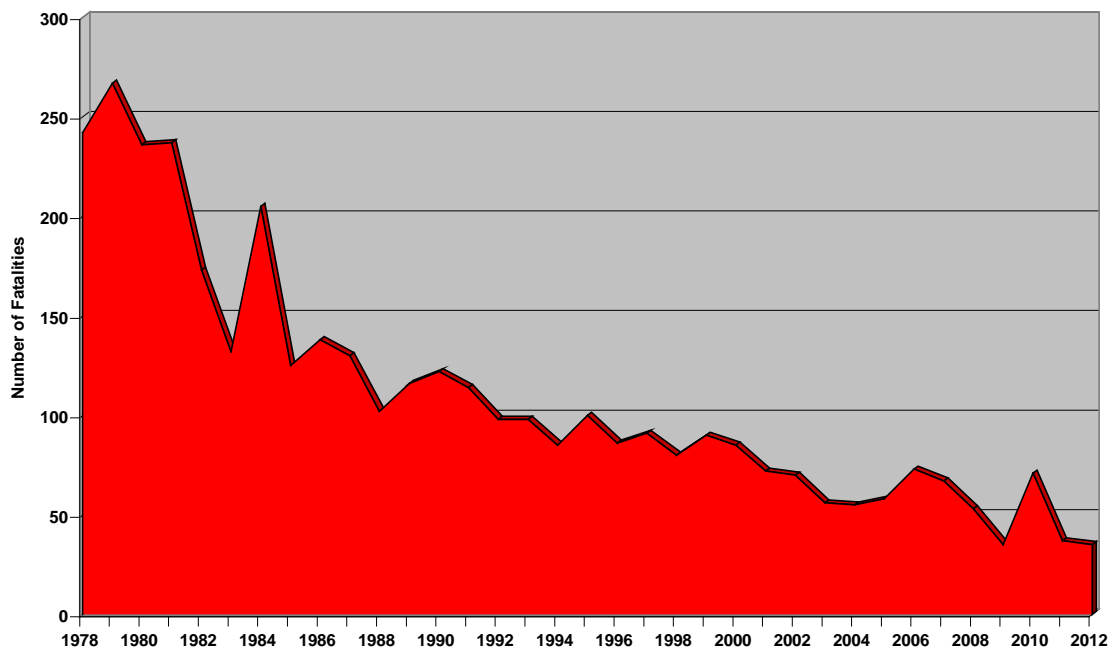
Mine Safety and Health At a Glance

06/30/2013

U.S. Department of Labor
Mine Safety and Health Administration

Safety and health in America's mining industry made significant strides during the 20th century and over the last 35 years in particular. In 1978, the first year the Mine Safety and Health Administration (MSHA) operated under the new Federal Mine Safety and Health Act of 1977, 242 miners died in mining accidents. MSHA continues to work to reduce injuries, illnesses and death through strong enforcement as well as active outreach, education and training, and technical support to the mining industry.

U.S. Mining Fatalities CY 1978 - 2012



All Mine Safety and Health

	<u>CY</u>						
	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
Number of Mines	14,885	14,871	14,907	14,631	14,283	14,176	14,093
Number of Miners	363,497	378,123	392,746	355,720	361,176	381,209	387,878
Fatalities	73	67	53	35	71	37	36
Fatal Injury Rate ¹	.0220	.0199	.0156	.0119	.0234	.0114	.0110
All Injury Rate ¹	3.64	3.43	3.25	3.01	2.81	2.73	2.56
Total Mining Area Inspection Hours/Mine ²	43	44	56	59	63	62	61
Citations and Orders Issued ³	140,082	144,095	173,571	173,147	170,319	156,802	139,770
S&S Citations and Orders (%)	32%	29%	28%	30%	32%	30%	29%
Dollar Amount Assessed (Millions) ⁴	42.8	130.0	143.6	137.4	163.1	160.8	120.5

Coal Mine Safety and Health

	<u>CY</u>						
	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
Number of Coal Mines	2,113	2,030	2,129	2,076	1,944	1,973	1,871
Number of Miners	122,975	122,936	133,828	134,089	135,500	143,437	137,650
Fatalities	47	34	30	18	48	21	20
Fatal Injury Rate ¹	.0400	.0293	.0237	.0148	.0384	.0156	.0159

All Injury Rate ¹	4.46	4.21	3.89	3.69	3.43	3.38	3.16
States with Coal Mining	26	26	26	26	26	26	26
Coal Production (Millions of Tons)	1,163	1,147	1,172	1,075	1,086	1,095	1,018
Total Mining Area Inspection Hours/Mine ²	161	169	227	238	259	258	250
FY Inspection Completion Rate (%)	94.1	83.8	100	100	100	100	100
Citations and Orders Issued ³	77,667	84,163	106,809	101,963	96,542	93,330	79,250
S&S Citations and Orders (%)	39%	35%	32%	30%	33%	33%	31%
Dollar Amount Assessed (Millions) ⁴	29.9	99.3	111.7	96.5	110.4	119.8	87.8

Metal and Nonmetal Mine Safety and Health

	<u>CY</u>						
	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
Number of Metal/Nonmetal Mines	12,772	12,841	12,778	12,555	12,339	12,203	12,222
Number of Miners	240,522	255,187	258,918	221,631	225,676	237,772	250,228
Fatalities	26	33	23	17	23	16	16
Fatal Injury Rate ¹	.0122	.0149	.0107	.0098	.0129	.0084	.0079
All Injury Rate ¹	3.19	3.02	2.87	2.54	2.37	2.28	2.19
States with M/NM Mining	50	50	50	50	50	50	50
Total Mining Area Inspection Hours/Mine ²	19	19	21	22	23	23	22
FY Inspection Completion Rate (%)	93.5	87.5	100	100	100	100	100**
Citations and Orders Issued ³	62,415	59,932	66,762	71,184	73,777	63,472	60,520
S&S Citations and Orders (%)	23%	22%	21%	29%	32%	26%	27%
Dollar Amount Assessed (Millions) ⁴	12.9	30.7	31.9	40.9	52.7	41.0	32.7

**MNM completed 16,645 regular inspections in 2012. Primarily because of the number of intermittent operations in MNM, its inspectors attempted but could not conduct another 318 regular inspections. MNM conducted 100% of mandatory inspections at mines available for inspection in 2012.

Mine Contractors

	<u>CY</u>						
	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
Coal Fatalities	5	6	12	8	4	7	2
MNM Fatalities	7	12	6	6	10	4	3
Total Fatalities	12	18	18	14	14	11	5
Coal Fatal Injury Rate ¹	.0217	.0264	.0456	.0331	.0158	.0258	.0077
MNM Fatal Injury Rate ¹	.0224	.0315	.0150	.0211	.0326	.0108	.0072
Total Fatal Injury Rate ¹	.0221	.0296	.0271	.0266	.0250	.0172	.0074

1-Reported injuries per 200,000 hours worked

2-Total Mining Area Time includes: On-site Inspection Time (M/NM), MMU Pit Time (Coal), Outby Area Time (Coal), Surface Area Time (Coal), Citation/Order writing On-Site. On-site inspection hours represent hours entered by Authorized Representatives of the Secretary (AR) for certain inspection activities and task codes.

3-Citations and orders are those not vacated

4-Based on date issued.

For more information:

www.msha.gov - MSHA Office of Program Education and Outreach Services, (202) 693-9400